CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

NOTE: recorded in Microsoft word 6.0 - use tabs to change cells/fields

NOTE: recorded in Microsoft word 6.0 - use tall STATE ARKANSAS FIELD OFFICE	
PRACTICE: 544 Land Reconstruction,	NOTES:
Currently Mined Land	1101110.
RESOURCE: SOIL	Help Message: Click on form field for choice lists. Refer
	to Microsoft Word Users Guide (Creating a form)
RESOURCE CONCERN: EROSION	<u> </u>
RESOURCE INDICATORS	PHYSICAL EFFECTS
SHEET AND RILL	significant reduction in sheet and rill erosion
WIND	significant reduction in wind erosion
EPHEMERAL GULLY CLASSIC GULLY	significant reduction in ephemeral gully erosion situational concerning classic gullies
STREAMBANK	situational concerning classic guines situational concerning streambank erosion
IRRIGATION INDUCED	situational concerning streambank erosion situational concerning irrigation induced erosion
SOIL MASS MOVEMENT	significant reduction in mass movement of soil
ROADBANK/CONSTRUCTION	significant decrease in roadbank/const. erosion
OTHER	
RESOURCE CONCERN: SOIL CONDITI	ION
SOIL TILTH	significant improvement in soil tilth
SOIL COMPACTION	significant reduction in soil compaction
SOIL CONTAMINATION	
• SALTS	situational concerning contam. from salts
• ORGANICS	N/A
FERTILIZERS	N/A
• PESTICIDES	N/A
• OTHER	
DEPOSITION/DAMAGE	
• ONSITE	significant reduction/onsite deposition damage
• OFFSITE	significant decrease/offsite deposition damage
DEPOSITION/SAFETY	
• ONSITE	significantly improve onsite safety/deposition
• OFFSITE	sign. improve offsite safety hazard/deposition
OTHER	
RESOURCE: WATER	
RESOURCE CONCERN: WATER QUAN'	TITY
SEEPS	situational regarding seep development
RUNOFF/FLOODING	sign. decrease in runoff/flooding
EXCESS SUBSURFACE WATER	situational concerning excess subsurface H2O
INADEQUATE OUTLETS	significant improvement in H20 outlet concern
WATER MGT. IRRIGATION	
SURFACE	significant improvement in irrigation efficiency
SPRINKLER	significant improvement in irrigation efficiency
WATER MGT. NON-IRRIGATED	significant improvement in moisture use
RESTRICTED FLOW CAPACITY (H20 convey.)	
• ONSITE	significant improvement in onsite drainage
• OFFSITE	significant improvement in offsite drainage
RESTRICTED STORAGE	sign. reduction in sedimentation of H20 storage

RESOURCE: WATER		
RESOURCE CONCERN: WATER	QUALITY	
RESOURCE INDICATORS	PHYSICAL EFFECTS	
GROUNDWATER CONTAMINANTS		
• PESTICIDES	insignificant	
NUTRIENTS AND ORGANICS	insignificant	
• SALINITY	insignificant to moderate increase	
HEAVY METALS	insignificant to moderate increase	
• PATHOGENS	insignificant to moderate increase	
• OTHER		
SURFACE WATER CONTAMINANTS		
• PESTICIDES	slight to moderate decrease	
 NUTRIENTS AND ORGANICS 	slight to moderate decrease	
SUSPENDED SEDIMENTS	sign. reduction in SWater contam./susp. sedi.	
LOW DISSOLVED OXYGEN	moderate to significant decrease	
• SALINITY	sign. reduction in SWater contam./salinity	
HEAVY METALS	moderate reduction in SWater contam./heavy metals	
WATER TEMPERATURE	slight reduction in SWater contam./H20 temp.	
• PATHOGENS	slight to moderate decrease	
AQUATIC HABITAT SUITABILITY	significant improvement in Aqua. Hab. Suit.	
OTHER		
RESOURCE: AIR		
RESOURCE CONCERN: AIR QUALI	TY	
AIRBORNE SEDIMENT AND SMOKE		
PARTICLES		
ONSITE SAFETY	sign. decrease in airborn sed.smoke part./safety	
OFFSITE SAFETY	sign. decrease in airborn sed.smoke part./safety	
ONSITE STRUCT. PROBLEMS	sign. decrease in struc. problems/dust and smoke	
OFFSITE STRUCT. PROBLEMS	sign. decrease in struc. problems/dust and smoke	
ONSITE HEALTH	sign. decrease in onsite health prob./dustsmoke	
OFFSITE HEALTH	sign. improvement in offlsite health	
AIRBORNE SEDIMENT CAUSING	sign. decrease in airborn sediment/convey. prob.	
CONVEYANCE PROBLEMS		
AIRBORNE CHEMICAL DRIFT	insignificant	
AIRBORNE ODORS	insignificant	
FUNGI, MOLDS, AND POLLEN	slight to significant decrease	
OTHER CONDI	TON	
RESOURCE CONCERN: AIR CONDITION		
AIR TEMPERATURE	moder. improvement in air condition/ temperature	
AIR MOVEMENT (windbreak effect)	situational	
	situational insignificant	

RESOURCE: PLANT	
RESOURCE CONCERN: SUITABILIT	Y
RESOURCE INDICATORS	PHYSICAL EFFECTS
SITE ADAPTATION	sign. improvement in plant suitability/site adapt
PLANT USE	sign. improvement in plant suit. for intended use
OTHER	
RESOURCE CONCERN: CONDITION	
PRODUCTIVITY	sign. improvement in plant cond./ productivity
HEALTH, VIGOR, SURVIVAL	sign. improvement in plant health, vigor, survival
OTHER	
RESOURCE CONCERN: MANAGEME	ENT
ESTAB., GROWTH, HARVEST	sign. improvement in plant estab.,growth,harvest
NUTRIENT MANAGEMENT	moder. improvement in plant nutrient management
PESTS	sign. improvement in plant pest management
THREAT/ENDANGERED PLANTS	situational
OTHER	
RESOURCE: ANIMAL	
RESOURCE CONCERN: HABITAT	
FOOD	sign. improvement in animal habitat/food supply
COVER/SHELTER	sign. improvement in animal habitat/cover,shelter
WATER (QUANTITY & QUALITY)	sign. improvement in animal habitat/water\
OTHER	
RESOURCE CONCERN: MANAGEME	CNT
POPULATION BALANCE	sign. improvement in animal mgt./pop. balance
THREAT/ENDANGERED ANIMALS	sign. benefit to threat./endangered animals
HEALTH	sign. improvement in animal mgt./ health
OTHER	
RESOURCE: HUMAN	
RESOURCE CONCERNS: ECONOMIC	CCONSIDERATIONS
PLAN / COST EFFECTIVENESS	significantly cost effective
CLIENT FINANCIAL CONDITION	significantly cost effective
MARKETS FOR PRODUCTS	N/A
AVAILABLE LABOR	situational concerning labor requirements
AVAILABLE EQUIPMENT	situational regarding equipment concerns

RESOURCE: HUMAN		
RESOURCE CONCERN: SOCIAL COM	NSIDERATIONS	
RESOURCE INDICATORS	PHYSICAL EFFECTS	
PUBLIC HEALTH AND SAFETY	sign. improvement in public health safety	
PRIVATE/PUBLIC VALUES	sign. improvement in private/public values	
CLIENT CHARACTERISTICS	N/A	
RISK TOLERANCE	insignificant risk involved	
TENURE	N/A	
OTHER		
RESOURCE CONCERN: CULTURAL	CONSIDERATIONS	
ABSENCE/PRESENCE OF CULTURAL RESOURCES	situational regarding cultural resources	
SIGNIFICANCE OF CULTURAL RESOURCES	situational regarding cultural resources	
MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS	situational regarding cultural resources	
OTHER		